

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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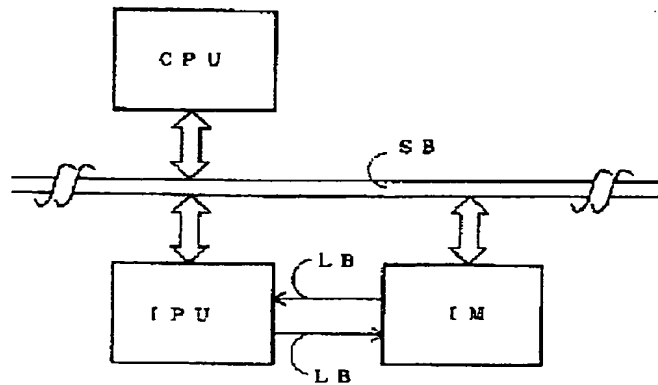
APPLICATION DATE : 07-05-93  
APPLICATION NUMBER : 05131346

APPLICANT : EZEL INC.

INVENTOR : NAKAJIMA TATESHI;

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TITLE : METHOD FOR IDENTIFYING PERSON  
BY SWEAT GLAND OF FINGER



ABSTRACT : PURPOSE: To identify a person by using a sweat gland of a finger by counting number of picture elements of each group in a labelling image, eliminating groups whose picture element number is a prescribed number or over and comparing the number of left groups after the elimination of groups in a prescribed area of a fingerprint with a number registered in advance so as to take notice of a sweat gland image having been handled as a noise in a conventional method.

CONSTITUTION: A received image is received by a image processing section IPU via a local bus LB and binarized. Thinning processing is applied to the binarized image and labelling processing is applied to the image subjected to thinning processing. Then number of picture elements of each group in the labelling image is counted by a CPU. Then the labelling image whose picture element number is a prescribed number or over is eliminated. That is, when number of the picture elements is a prescribed number or below, the image is regarded as a sweat gland, and conversely when number of the picture elements is a prescribed number or over, the image is regarded as a recessed part between skin edges of a fingerprint, then the sweat gland only is left and the recessed part is eliminated. Then number of sweat glands of a prescribed area is counted and the count is compared with number of sweat glands of a concerned person registered in advance and whether or not the difference is within a permissible range is discriminated.

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